Title (en)
Video data compression

Title (de)
Bilddatenkompression

Title (fr)
Compression de données vidéo

Publication
EP 0588476 B1 19990421 (EN)

Application
EP 93305592 A 19930716

Priority
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Abstract (en)
[origin: EP0588476A2] A video data compression system is described utilising frequency separation and quantization. The video data is separated into primary frequency components (components 4, 5, 6) and secondary frequency components (components 0, 1, 2, 3). The primary frequency components undergo fewer frequency separating stages (N > M) than the secondary frequency components. The quantization step width (Q1, Q2) applied to the differing primary and secondary components is varied in dependence upon the relative human visual responsiveness (R(fs)) to the spatial frequency (fs) represented by that component. In addition, those frequency components that have undergone fewer frequency separating stages are subject to a larger quantization step width than the other frequency components since the fewer frequency combination stages such frequency components will subsequently undergo has the result that the image degradation introduced by quantization is less noticeable. The system also includes entropy encoding (42) using selectable complementary encoding and decoding tables. The system is particularly applicable to recording and reproducing apparatus. <IMAGE>

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H04N 7/24

IPC 8 full level
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GB 2270811 A 19940323; GB 2270811 B 19960207; GB 2270822 A 19940323; GB 2270822 B 19961016; GB 9219716 D0 19921028;
GB 9223017 D0 19921216; JP 3348741 B2 20021120; JP H06326990 A 19941125; JP H0746536 A 19950214; KR 100283342 B1 20010302;
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